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FUKUSHIMA TAMOTSU**(54) **DEFECT CORRECTIVE DEVICE AND
SOLID-STATE IMAGE PICKUP DEVICE USING
THE DEVICE**

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(57) Abstract:

PROBLEM TO BE SOLVED: To provide a defect correction device in which defect data are corrected correctly so as to suppress deterioration in image quality due to the defect data even when a video signal pattern around the defect data includes a high frequency component.

SOLUTION: Output signals R, G, B of a solid-state image pickup element are received from input terminals 1a, 1b, 1c for each sampling time. A control circuit 12 generates signals ch1, ch2 to designate a defect channel and a correction channel based on a signal C from a defect detection means. A signal correction signal generating circuit 2 uses a preceding signal G(i-1) via a delay element and a signal of other channel without any defect to generate correction data of $G'(i) = R(i) \cdot fG(i-1) - R(i-1)$, when the signal G(i) has a defect, for example. The defect data G(i) are replaced with the correction data G'(i) and the defect corrective device outputs the R(i), G'(i), B(i) as output signals

